

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A process of producing an acrylic pressure-sensitive adhesive comprising:

feeding a monomer solution comprising a mixture of an alkyl (meth)acrylate monomer and a radical polymerization initiator, and carbon dioxide to a joint block equipped with a line mixer;

mixing the monomer solution and carbon dioxide in the joint mixer to produce a uniform mixture;

feeding the resulting uniform mixture to a continuous reactor; and

performing continuous bulk polymerization at a polymerization temperature of 50 to 180°C for a residence time of 0.5 to 60 minutes in a continuous reaction zone of said reactor, thereby obtaining an acrylic pressure-sensitive adhesive comprising 10% by weight or less, based on the weight of the total monomers, of components having a molecular weight of 100,000 or less.
2. (original) The process as claimed in claim 1, wherein said polymerization temperature is 65 to 130°C.

Claims 3-5 (canceled).

6. (currently amended): A process of producing an acrylic pressure-sensitive adhesive comprising:

feeding a monomer solution comprising a mixture of an alkyl (meth)acrylate monomer and a radical polymerization initiator, and carbon dioxide to a joint block equipped with a line mixer;

mixing the monomer solution and carbon dioxide in the joint mixer to produce a uniform mixture;

feeding the resulting uniform mixture to a continuous reactor; and

performing continuous bulk polymerization at a polymerization temperature of 50 to 100°C for a residence time of 60 to 200 minutes in a continuous reaction zone of said reactor, thereby obtaining an acrylic pressure-sensitive adhesive comprising 10% by weight or less, based on the weight of the total monomers, of components having a molecular weight of 100,000 or less.

7. (original) The process as claimed in claim 6, wherein said polymerization temperature is 50 to 80°C.

Claims 8-10 (canceled).

11. (previously presented): The process as claimed in claim 1, wherein the acrylic pressure-sensitive adhesive comprises 6.5% by weight or less, based on the weight of the total monomers, of components having a molecular weight of 100,000 or less.

12. (previously presented): The process as claimed in claim 6, wherein the acrylic pressure-sensitive adhesive comprises 6.5% by weight or less, based on the weight of the total monomers, of components having a molecular weight of 100,000 or less.